

Title (en)
ELECTRIC VEHICLE

Title (de)
ELEKTROFAHRZEUG

Title (fr)
VÉHICULE ÉLECTRIQUE

Publication
EP 3118045 A1 20170118 (EN)

Application
EP 15762133 A 20150305

Priority
• CN 201410085492 A 20140310
• CN 2015073712 W 20150305

Abstract (en)
The present invention provides an electric vehicle including: a plurality of transmission shafts, wherein each transmission shaft is arranged along a lateral direction of the electric vehicle, the plurality of transmission shafts are spaced along the longitudinal direction of the electric vehicle, and each transmission shaft is used for driving wheels which are coaxially arranged and are located at opposite sides of the vehicle; at least two drive motors each of which is in transmission connection with at least one transmission shaft and is used for driving the at least one transmission shaft; wherein, at least one of the at least two drive motors is a single-shaft drive motor which is in transmission connection with only one transmission shaft to drive the only one transmission shaft. In the present invention, since the number of the drive motors is increased, the drive control of any transmission shaft can be realized. Further, the drive motors and the transmission shafts are modular in the present invention, so that the installation and control of the transmission shafts of the electric vehicle can be simplified.

IPC 8 full level
B60K 17/356 (2006.01); **B60K 1/00** (2006.01)

CPC (source: EP US)
B60K 1/00 (2013.01 - EP US); **B60K 1/02** (2013.01 - US); **B60K 17/16** (2013.01 - US); **B60K 17/22** (2013.01 - US);
B60K 17/356 (2013.01 - EP US); **B60L 15/20** (2013.01 - US); **B60K 2001/001** (2013.01 - EP US); **B60L 2240/42** (2013.01 - US);
Y02T 10/72 (2013.01 - EP US)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3118045 A1 20170118; **EP 3118045 A4 20170308**; **EP 3118045 B1 20180509**; CN 103879283 A 20140625; CN 103879283 B 20190115;
ES 2672584 T3 20180615; JP 2017511106 A 20170413; JP 6465897 B2 20190206; PL 3118045 T3 20181031; TR 201807830 T4 20180621;
US 2017072792 A1 20170316; US 9944176 B2 20180417; WO 2015135435 A1 20150917

DOCDB simple family (application)
EP 15762133 A 20150305; CN 201410085492 A 20140310; CN 2015073712 W 20150305; ES 15762133 T 20150305;
JP 2016555775 A 20150305; PL 15762133 T 20150305; TR 201807830 T 20150305; US 201515123112 A 20150305